

Title (en)

METHOD FOR DEPOSITING A SCRATCH PROTECTION COATING ON A PLASTIC SUBSTRATE

Title (de)

VERFAHREN ZUM ABSCHIEDEN EINER KRATZSCHUTZBESCHICHTUNG AUF EINEM KUNSTSTOFFSUBSTRAT

Title (fr)

PROCÉDÉ DE DÉPÔT D'UN REVÊTEMENT PROTECTEUR AUGMENTANT LA RÉSISTANCE MÉCANIQUE SUR UN SUBSTRAT DE MATIÈRE PLASTIQUE

Publication

**EP 2288646 B1 20130710 (DE)**

Application

**EP 09776619 A 20090515**

Priority

- EP 2009003480 W 20090515
- DE 102008028537 A 20080616

Abstract (en)

[origin: WO2010003477A1] The invention relates to a method for depositing a transparent scratch protection coating on a plastic substrate by means of plasma-enhanced chemical vapor deposition (PECVD), wherein at least one metal organic precursor and at least one reactive gas are fed into a vacuum chamber, wherein the plasma is generated by means of a pulsed magnetron, and at least one layer having continuous or abrupt changes with regard to layer composition is deposited.

IPC 8 full level

**C08J 7/00** (2006.01); **C23C 16/02** (2006.01); **C23C 16/455** (2006.01); **C23C 16/515** (2006.01); **G02B 1/10** (2006.01); **C23C 16/40** (2006.01)

CPC (source: EP US)

**C08J 7/18** (2013.01 - EP); **C23C 16/029** (2013.01 - EP); **C23C 16/401** (2013.01 - EP); **C23C 16/4401** (2013.01 - EP); **C23C 16/45523** (2013.01 - EP); **C23C 16/50** (2013.01 - EP); **C23C 16/515** (2013.01 - EP); **G02B 1/14** (2015.01 - EP US); **G02B 1/105** (2020.05 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102008028537 A1 20091217**; **DE 102008028537 B4 20121129**; EP 2288646 A1 20110302; EP 2288646 B1 20130710; WO 2010003477 A1 20100114

DOCDB simple family (application)

**DE 102008028537 A 20080616**; EP 09776619 A 20090515; EP 2009003480 W 20090515